

Project:

Clare Car Park: Queensgate Shopping Centre

Location:

Peterborough

Owner/s:

Hammerson and Aviva

Applicator/Contractor:

Concrete Repairs Limited

Designer/Architect/Specifier:

Waldeck Engineering

Market sector:

Car Parks

Products used:

MasterEmaco T 545
MasterEmaco P 5000 AP
MasterEmaco N 5200
MasterEmaco S 5400
MasterEmaco S 5450 PG
MasterSeal Traffic 2205
MasterSeal Traffic 2260

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Shopping Centre Clare Car Park, Peterborough Car Park Refurbishment



Our reference in Peterborough (United Kingdom): Queensgate Car Park

The background

The Queensgate shopping centre is situated in Peterborough city centre in Cambridgeshire. It was opened by Queen Beatrix of the Netherlands on 9 March 1982 and contains over 90 stores and parking for 2,300 cars. In a £20 million revamp to Queensgate began which incorporated the refurbishment of its four car parks. The changes to the car parks included removing the references to local historical figures (Edith Cavell, Frank Perkins, Henry Royce and John Clare) in favour of a colour coding system.

The challenge

There were a number of challenges to face in the refurbishment of Clare which were met by Master Builders Solutions and Concrete Repairs Limited, the first being the requirement of a material for the repairs to the concrete deck that could be overcoated quickly to enable the protective coatings to be applied within a few days of the repairs being completed. The second was that a very specific colour scheme was required, including Red, Green, Blue and Greys with an intricate detailing on the white lining for the bays etc. The lines were to be incorporated within the parking deck system rather than being applied afterwards as a surface mounted system.

Shopping Centre Clare Car Park, Peterborough

Car Park Refurbishment



Our reference in Peterborough (United Kingdom): Queensgate Car Park

Our solution

The car park was subjected to a full refurbishment programme that included concrete repairs to the decks and soffits using MasterEmaco T 545, MasterEmaco S 5400, MasterEmaco S 5450 PG and MasterEmaco N 5200. The application of a waterproofing roof deck utilised MasterSeal Traffic 2205 and all of the interdecks were coated using MasterSeal Traffic 2260. New lighting complemented the finishes.

The deck repairs were carried out using a combination of products to suit the differing situations encountered; where a fast setting material was needed the contractor used the MasterEmaco T545, which enabled overcoating within a couple of hours. In situations where more time was available or in larger areas when more working time was needed to lay the materials, the MasterEmaco S 5400 and S 5450 PG were used.

The white lining was completed by masking off at the perimeter of the bays where the lines occur after applying the epoxy-based primers and wearing coats. Then applying the protective, decorative MasterSeal TC373 coating to the bay areas (in Green). Once the topcoat had cured, the masking was removed and re-set to protect the surface that had been completed and the lines were created by filling in the area using the fast-curing polyaspartic resin-based material MasterSeal TC 681.

Benefits to the customer

- Deck repairs used a combination of products to suit the differing situations encountered.
- The innovative approach to bay demarcation resulted in a clean, crisp line incorporated in the surface texture that provided a nice level finish which was extremely durable.
- A single source of supply for concrete repair systems and deck membranes provided a convenient solution.

Projects facts at a glance

- Full refurbishment programme
- Concrete repairs to decks
- Coating systems for all decks
- Coloured integral bay demarcation
- Systems specified to meet tight timeframe
- Colour scheme an important element of the specification

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Further information is available at:
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